

Clean Coal Power Initiative



*Clean, Affordable &
Reliable Electricity for
America's Future*

January 17, 2002

Lawrence A. Ruth

National Energy Technology Laboratory

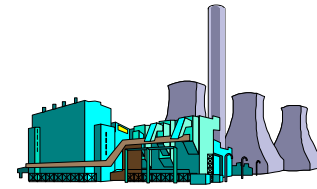


www.netl.doe.gov

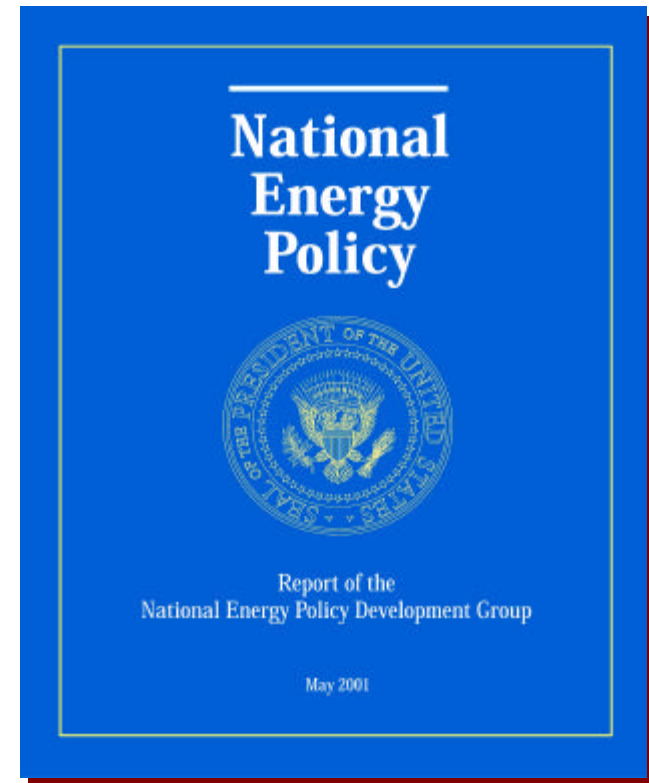


Clean Coal Power Initiative (CCPI)

- **Cooperative, cost-shared program between government and industry to:**
 - Demonstrate emerging technologies in coal-based power generation
 - Accelerate technology deployment to commercial use
- **Provides early demonstration opportunities for coal and power systems RD&D as precursor to Vision 21**



**Clean, Reliable & Affordable Electricity
for America's Future**



***CCPI is a key component of
the National Energy Policy***



Clean Coal Power Initiative (CCPI)

- Total program tentatively funded at \$2 billion over 10 years
- This solicitation (Round 1) represents the first installment of federal funding
- Open to any technology that results in advancements to state-of-the-art alternatives
 - Efficiency
 - Environmental
 - Economic



CCPI Congressional Language - Key Points

- **“...demonstrations of commercial scale technologies to reduce the barriers to continued and expanded coal use”**
- **“...demonstrate technologies that can strengthen electricity reliability for the Nation in an environmentally clean manner”**
- **Repayment may be different from clean coal approach**
- **Solicitation released - 120 days after passage (11/6/01)**
- **Proposal preparation time - 150 days after release**
- **Project Selections - 160 days after receipt of proposals**



CCPI Structure - Round 1

- **Structure solicitation for anticipated \$300 - 400 million federal funding**
 - \$150 million appropriated for FY02
 - \$30+ million from PPII to be applied to CCPI
 - Congressional authority to use anticipated FY03 funding
- **Include project definition phase**
 - Provides time and funding to finalize financing and NEPA
- **Site guarantees required prior to award**
- **Allow larger projects**
 - “DOE expects to make two or more awards from this solicitation...”



CCPI Structure - Round 1

- **Coal focus**
 - 75% of fuel input must be U.S. coal
- **Improved public abstracts**
 - Require additional information on project costs, schedules, principal entities
- **External reviewers for technical proposals**
- **Require proposers to submit communication plans**
 - Include communication language in model agreement



New Source Review

- **Projects proposed under CCPI are eligible as "Clean Coal Technology Demonstration Projects" for exemptions from New Source Review (NSR) permitting and New Source Performance Standards (NSPS) if they meet the criteria established in the Clean Air Act and EPA's implementing regulations (40 CFR Parts 51, 52 and 60). States may have their own permitting requirements not controlled by the exemptions.**



CCPI Repayment

- **Objectives**

- Encourage increased private sector cost share
- Provide multiple options for repayment
- Enhance probability of repayment
- Better link/integrate commercialization and repayment plans

- **Proposer based, less scripted by DOE**

- **Repayment plan scored as part of commercialization criteria**

- **Repayment options based on net present value analyses**

- Sliding scale repayment terms between 50%-74% cost share
- Full repayment credit above 75% cost share



CCPI Evaluation Criteria

- > Technical Merit 50%**
- > Project Feasibility 30%**
- > Commercial Feasibility 20%**
(including weighting of repayment plan)



CCPI Program Schedule

[illegible]